Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Friday 16 Dec 2022 until 23:59 on Saturday 17 Dec 2022

Forecast Issued on Friday 16 Dec 2022 at 03:00

Confidence: High for a change to a milder west to southwest flow over the weekend, but lowering confidence for the detail of the associated snow, wind and rain.

Headline for Friday 16 Dec 2022: Mainly dry with brighter spells. Freezing level lifting a little as southwest winds develop. Severe wind chill at height.

Mountain weather hazards on Friday 16 Dec 2022

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** No Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Clear night	Sunny intervals	Sunny intervals	Sunny intervals	Clear night	Partly cloudy (night)
Precipitation probability					
00%	00%	00%	00%	00%	00%

Forecast for Friday 16 Dec 2022

Weather: Starting dry with a widespread frost, and some freezing fog patches in the valleys. Any fog patches only slowly clearing through the morning. Mainly dry through the day with some sunny spells. Some freezing fog patches possibly re-forming through the evening.

Chance of cloud-free hill tops above 600m: 90%

Low cloud and visibility: Any freezing fog lifting during the morning, giving some patchy low cloud. Visibility generally very good with clear views of distant hills, but very poor within fog, with nearby landmarks obscured.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
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Forecast for Friday 16 Dec 2022

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	7/10 SW	9/12 SW	12/17 SW	14/20 SW	17/25 SW	20/30 SW	20/30 SW
300	4/5 S	4/5 S	4/9 SE	8/15 SW	12/22 SW	14/24 SW	14/26 SW
Valley	2/4 SE	3/6 E	3/10 S	4/13 SW	6/21 S	8/23 SW	9/24 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	-2/-6	-2/-6	-1/-6	-1/-7	-2/-8	-2/-9	-2/-9
300	-2/-4	-2/-4	0/-2	1/-3	0/-4	-0/-6	-0/-6
Valley	-5/-8	-3/-5	0/-2	-0/-2	-1/-5	-1/-5	-1/-5
Freezing Level*	00m	00m	100m	200m	100m	00m	100m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Severe wind chill developing at height as the wind picks up slightly.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Fri 16 Dec 2022	0.2mm	0.8mm	0.8mm

Forecast for Saturday 17 Dec 2022

Weather: Dry at first with some freezing fog patches in the valleys and possibly some patchy low cloud. Clouding over during the morning, with outbreaks of snow, sleet and rain moving south for the afternoon. Snow level erratically lifting to reach around 700m.

Maximum wind: South to southwest mean 20-25 mph with gusts reaching 35 mph across most exposed ridges and summits.

Chance of cloud-free hill tops above 600m: 80% becoming 25% during the morning

Low cloud and visibility: Good or very good at first. Becoming moderate or poor at times in rain or sleet, with nearby hills difficult to make out, very poor in snow and within cloud with nearby landmarks obscured. Cloud bases quite extensive from 400-500m.

Temperature: **Valleys:** Minus 3 Celsius increasing plus 4 Celsius during the afternoon
At 600m: Zero Celsius increasing plus 2 Celsius
Freezing level: 200m lifting 700m

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